

Hydrobiological investigations of Kytalyk Wildlife Reserve polygonal ponds (North-Eastern Yakutia)

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© Published under licence by IOP Publishing Ltd. In the following article there are introduced the first researching results of 27 water bodies of polygonal tundra in Kytalyk Wildlife Reserve in the summer 2011. The evaluation of physic-hydrochemical indexes of water bodies is given. The basic structure-forming characteristics of zooplankton communities are analyzed. The ecological state of the lakes is estimated.

<http://dx.doi.org/10.1088/1755-1315/107/1/012038>

References

- [1] Nigamatzyanova G and Frolova L 2017 17th international multidisciplinary scientific geoconference SGEM 17 899
- [2] Frolova L A, Nazarova L B, Pestryakova L A and Herzsuh U 2013 Siberian ecological j. 1 15
- [3] Frolova L A 2016 16th International Multidisciplinary Scientific GeoConference SGEM 2016 Proceedings, Energy and Clean Technologies 4 601-607
- [4] Potapova N A, Nazyrova R I, Zabelina N M, Isaeva-Petrova L S, Korotkov V N and Ochagov D M 2006 Svodnyy spisok osobo okhranyaemykh prirodnykh territoriy Rossiyskoy Federatsii (spravochnik) (M: VNII prirody) 364 Ch II
- [5] 2011 Atlas biologicheskogo raznoobraziya morey i poberezhnyy rossiyskoy Arktiki (M: WWF Rossii) 64
- [6] 2005 Siberian crane wetland project Kytalyk Wetlands URL: www.scwp.info - ref-separator -
- [7] Krivenko V G (ed) 2000 Wetlands of Russia 3 (M: Wetlands International Global Series) 490
- [8] Tumskoy V and Schirrmeister L 2012 Joint Russian-German Polygon Project East Siberia 2011 - 2014: The expedition Kytalyk 2011 ed L Schirrmeister (Bremerhaven: Alfred-Wegener-Institut für Polar und Meeresforschung) 5-10
- [9] Sládeček V 1973 Arch. Hydrobiol. Ergebnisse der Limnologie 7 218
- [10] Zelinka M 1961 Arch. Hydrobiol 57 71-81
- [11] Kononova O N, Dubovskaya O P and Fefiliva E B 2014 Journal of Siberian Federal University 3 303-327
- [12] Rautio M, Dufresne F, Laurion I, Bonilla S, Vincent W F and Cristoffersen K 2011 Ecoscience 18 204-222